

**ABSTRACT OF THE DISCLOSURE**

In a method and a device for setting the focal spot position of an X-ray tube the focal spot position is regulated as a controlled variable by a closed loop regulation circuit. A deflector deflects the electron beam of the X-ray tube depending on a deflection signal, a deflection closed loop regulator generates the deflection signal depending on a focal spot position signal. A measurement arrangement measures a focal spot position signal. The deflector, the deflection closed loop regulator and the measurement arrangement form a closed loop regulation circuit with the focal spot position as the controlled variable and with the deflection signal as the control parameter.

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